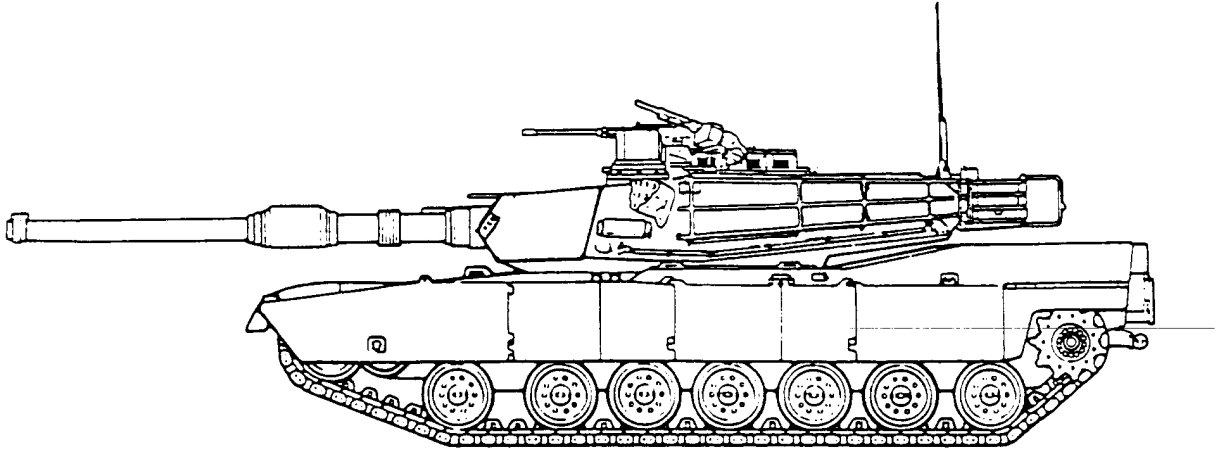


M1A2 ABRAMS



SYSTEM IDENTIFIERS

NOMENCLATURE:	Tank, Combat, 120mm
SSN:	G82915
LIN:	T13305
NSN:	2350-01-328-5964
AMIM NO:	I018
EIC:	AAF
FUEL TYPE:	JP-8

SYSTEM DESCRIPTION

The M1A2 Main Battle Tank (MBT) provides enhanced operational fighting ability over that of the current M1A1. It is a fully tracked, heavily armored, ground combat system used for close combat. Upgrades from the M1A1 include: a Commander's Independent Thermal Viewer, an Improved Commander's Weapon Station, position navigation equipment, a distributed data and power architecture, improved fire control system, and a SINCGARS radio interface unit with a rapid transfer capability of digital situation data. Armament includes the M256 Rheinmetall smoothbore 120mm main gun, an M2 .50 caliber machine gun, an M240 7.62mm coaxial machine gun, and a skate-mounted 7.62mm machine gun. The tank carries 40 main gun rounds; 1,000 .50 caliber rounds; 12,400 7.62mm rounds; and 24 smoke grenades. The crew consists of a commander, gunner, loader, and driver. The tank is powered by a 1,500 horsepower turbine engine. The combat weight is 69.54 tons. The tank has a top governed speed of 42 mile per hour and a cross country speed of 30 miles per hour. The M1A2 has a fuel capacity of 504 gallons, giving it a cruising range of 265 miles..

The list below identifies selected components associated with the weapon/materiel system.
This is not an all inclusive list of LINs.

M1A2 ABRAMS

LIN	NSN	NOMENCLATURE
A10837	4910-01-142-2640	ADAPTER HARDWARE: M1 PECULIAR
A10905	5935-01-140-6474	ADAPTER HARDWARE: POWER SUPPLY
A32060	6665-00-935-6955	ALARM UNIT CHEMICAL AGENT AUTO: PORTABLE
A33120	6665-00-859-2215	ALARM UNIT CHEMICAL AGENT AUTOMATIC
A70522	5999-01-130-8077	ADAPTER TEST ELECTRICAL SYSTEM BREAK
B90494	4933-01-204-4307	BORESIGHTING EQUIPMENT WEAPON: MUZZLE
B90494	4933-01-236-2884	BORESIGHTING EQUIPMENT WEAPON: MUZZLE
C57780	6625-01-119-7092	TEST SET CONTROL: CTSTS F/M1/M60 TANK
C89145	1080-00-103-1246	CAMOUFLAGE SCREEN SYSTEM: WOODLAND
K27594	4320-01-086-6793	KIT GROUND HOP: M1 TANK
L44680	1055-00-000-0138	LAUNCHER GRENADE SMOKE: SCREENING
L44748	1055-01-107-7501	LAUNCHER GRENADE SMOKE: SCREENING
L91701	1005-00-957-3893	MACHINE GUN CALIBER .50: HEAVY FIXED
L91975	1005-00-322-9715	MACHINE GUN CALIBER .50: HB FLEXIBLE
L92352	1005-01-025-8095	MACHINE GUN 7.62 MILLIMETER: FIXED
N04456	5855-00-150-1820	NIGHT VISION GOGGLES: AN/PVS-5
N17155	6625-01-102-0052	OHMMETER: ZM-21/U
P30693	6625-01-187-7847	OSCILLOSCOPE: AN/USM-488
Q03468	1290-00-891-9999	QUADRANT FIRE CONTROL:GUNNERS
Q45779	5820-00-223-7412	RADIO SET: AN/VRC-12
R25600	5820-00-892-0624	RECEIVER RADIO: R-442/VRC
R31609	5820-01-234-8093	RECEIVER-TRANSMITTER RADIO: RT-1523
R44659	5820-01-151-9916	RADIO SET: AN/VRC-87
R44795	5820-01-151-9918	RADIO SET: AN/VRC-89
R44863	5820-01-267-9479	RADIO SET: AN/VRC-89A
R61406	4210-01-176-3511	RECHARGE/SERVICE KIT: FIRE EXTINGUISHER
R67160	5820-01-267-9480	RADIO SET: AN/VRC-87A
R73448	5180-01-126-9972	REPAIR KIT: PERMASWAGE TOOLING
S25690	4910-01-086-8433	STAND MAINTENANCE POWER PACK: M1 TANK
S62860	4910-01-231-0343	SUPPORT SET: GROUND HOP M1 TANK
T06859	6625-01-135-4389	TEST SET: COMMON CORE (STE-M1/FVS)
T52849	6625-01-120-0764	TEST SET ELECTRONIC SYSTEMS: DIRECT
T92250	4931-01-263-7972	TEST SET SIGHT THERMAL IMAGING SYSTEM

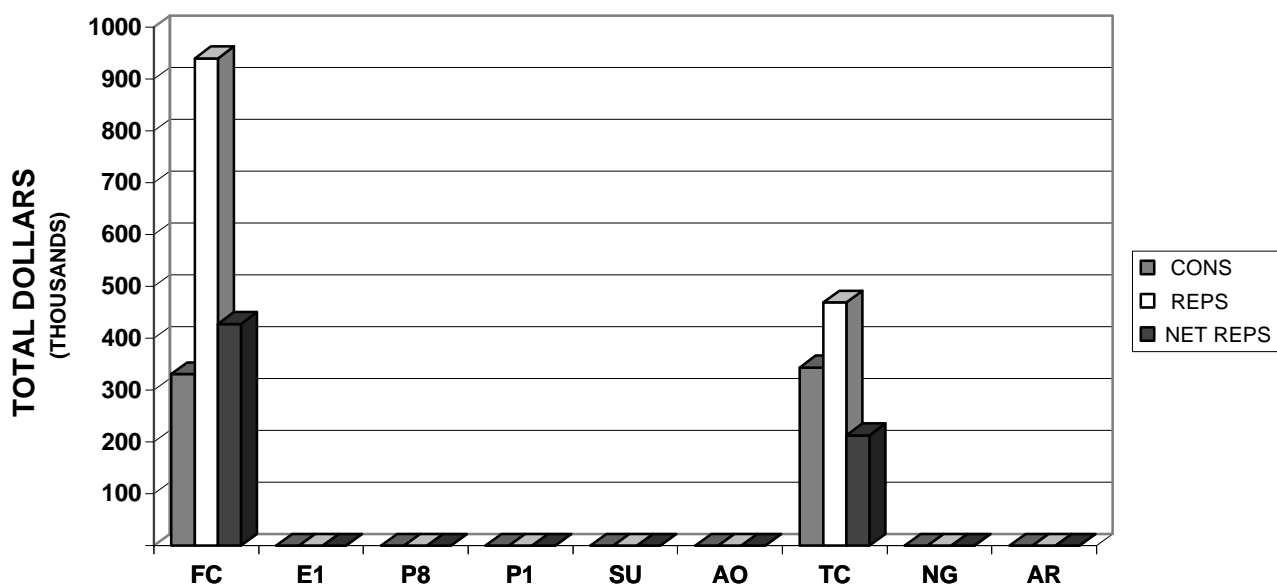
This summary provides an overview of FY 95 Total Army operating and support costs and other information for the weapon system. Average cost per system and per mile are displayed so the data can be used in performing analytical and cost studies. Average costs are calculated using the end item's density and activity. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

<p align="center">M1A2 ABRAMS FY 95 TOTAL ARMY COST SUMMARY (FY 95 Constant Dollars)</p>

<p align="center">DENSITY</p>		<p align="center">DEPOT END ITEM MAINTENANCE (5.061)</p>		
NUMBER OF SYSTEMS	58	OMA TOTAL	\$0	
		QUANTITY COMPLETED	0	
		AVG COST/END ITEM	\$0.00	
		PROC (MODIFICATIONS)	\$2,826	
<p align="center">CLASS III-POL (5.05)</p>		<p align="center">DEPOT SECONDARY ITEM MAINTENANCE</p>		
<p align="center">NOT AVAILABLE</p>		DBOF TOTAL	\$308,415	
		QUANTITY COMPLETED	466	
		AVG COST/SECONDARY ITEM	\$661.83	
<p align="center">CLASS V-AMMUNITION (2.11)</p>		<p align="center">INTERMEDIATE MAINTENANCE</p>		
AMMUNITION	\$23,355,185		<u>DS/GS</u>	<u>CIVILIAN</u>
AVG COST/SYSTEM	\$402,676.00	MIL/CIV LABOR COST	\$8,728	\$336,090
		AVG COST/SYSTEM	\$150.48	\$5,794.66
		MAINTENANCE MANHOURS	514	12,670
		MMHs/SYSTEM	8.86	218.45
<p align="center">CLASS IX MATERIEL-PARTS (5.04/5.03)</p>				
	<u>FY 95</u>	<u>AVG COST</u>		
	<u>DOLLARS</u>	<u>PER SYSTEM</u>		
CONSUMABLES	\$675,283	\$11,642.81		
NET REPARABLES	\$640,514	\$11,043.34		
NET TOTAL COSTS	\$1,315,797	\$22,686.16		

The following graph and table display FY 95 Class IX costs for consumables (CONS), reparable, (REPS), and net reparable (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

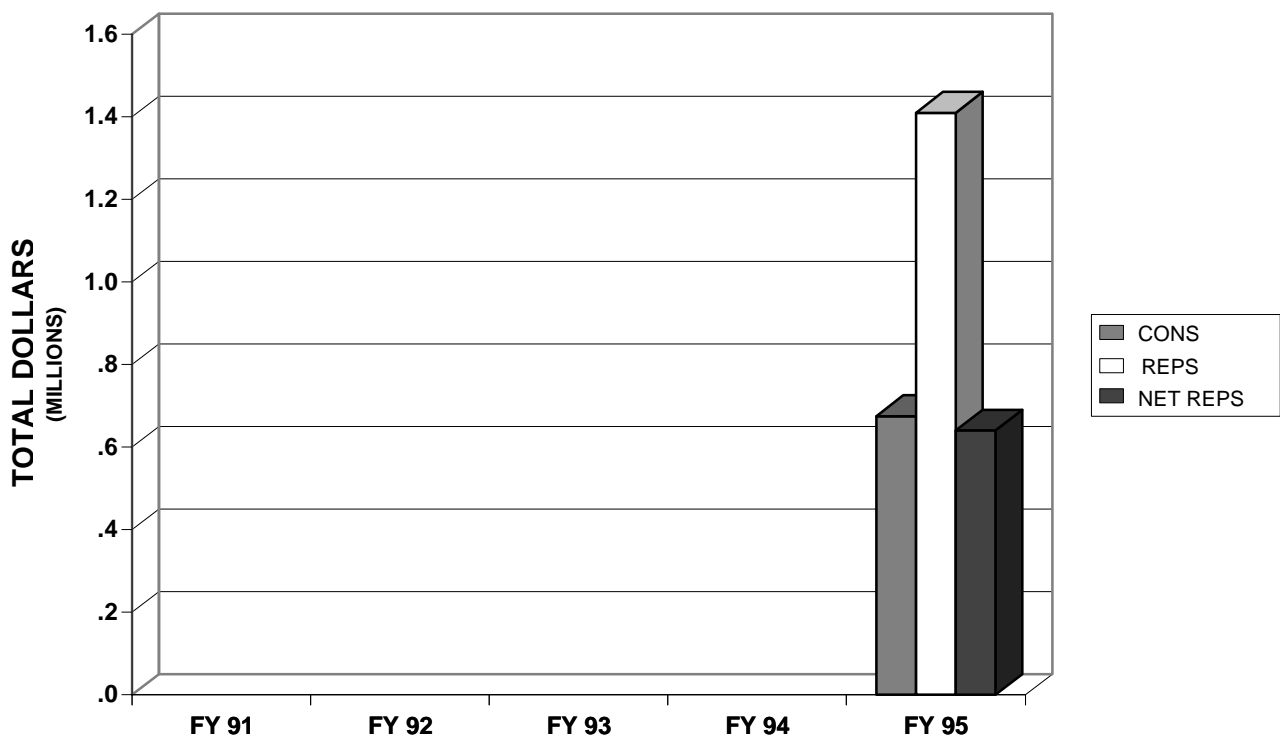
M1A2 ABRAMS



M1A2 ABRAMS FY 95 MACOM CLASS IX COSTS							
CODE	MACOM NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEMS
FC	FORSCOM	330,973	940,528	427,552	758,525	32	23,704
E1	USAREUR	0	0	0	0	0	0
P8	EUSA	0	0	0	0	0	0
P1	USARPAC	0	0	0	0	0	0
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	344,310	469,123	212,962	557,272	26	21,434
NG	ARNG	0	0	0	0	0	0
AR	USAR	0	0	0	0	0	0
TA	TOTAL ARMY	675,283	1,409,651	640,514	1,315,797	58	22,686

The following graph and table display FY 91-95 Class IX costs for consumables (CONS), reparableables (REPS) and net reparableables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPs are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. The AVG PER MILE costs are calculated by dividing NET TOTAL COSTS by the Total Army Activity for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

M1A2 ABRAMS



M1A2 ABRAMS FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEMS
FY 91						
FY 92						
FY 93						
FY 94						
FY 95	675,283	1,409,651	640,514	1,315,797	58	22,686

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 95 WBS Class IX costs for consumables (CONS) and reparable (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army.

M1A2 ABRAMS FY 95 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS							
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	HULL/FRAME	93,329	10,781	4,884	98,213	58	1,693
02	SUSPENSION/STEER	26,786	131,844	59,727	86,513	58	1,492
03	PWR PKG/DRIVE TR	41,290	785,563	355,864	397,154	58	6,847
04	AUXILIARY AUTO	372,628	298,360	135,222	507,850	58	8,756
05	TURRET ASSEMBLY	47,551	23,189	10,771	58,322	58	1,006
06	FIRE CONTROL	2,021	100,016	46,409	48,430	58	835
07	ARMAMENT	19,981	94	44	20,025	58	345
08	BODY/CAB	0	0	0	0	0	0
09	AUTO LOADING	0	0	0	0	0	0
10	AUTO/REMOTE PILO	0	0	0	0	0	0
11	NBC EQUIPMENT	3,113	0	0	3,113	58	54
12	SPECIAL EQUIPMEN	0	0	0	0	0	0
13	NAVIGATION	0	0	0	0	0	0
14	COMMUNICATIONS	31,017	16,427	7,914	38,931	58	671
15	VEH APPS SOFTWARE	0	0	0	0	0	0
16	VEH SYST SOFTWARE	0	0	0	0	0	0
17	INTEG, ASSY, TES	0	0	0	0	0	0
18	OTHER	37,567	43,377	19,679	57,246	58	987
	TOTAL	675,283	1,409,651	640,514	1,315,797	58	22,686

The following table displays FY 91-95 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are the summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. AVG PER MILE costs are calculated by dividing NET TOTAL COSTS by the total activity (miles) for the Total Army in the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

M1A2 ABRAMS						
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS						
WBS	NAME	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS	FY 95 NET TOTAL COSTS
01	HULL/FRAME					98,213
02	SUSPENSION/STEER					86,513
03	PWR PKG/DRIVE TR					397,154
04	AUXILIARY AUTO					507,850
05	TURRET ASSEMBLY					58,322
06	FIRE CONTROL					48,430
07	ARMAMENT					20,025
08	BODY/CAB					0
09	AUTO LOADING					0
10	AUTO/REMOTE PILO					0
11	NBC EQUIPMENT					3,113
12	SPECIAL EQUIPMEN					0
13	NAVIGATION					0
14	COMMUNICATIONS					38,931
15	VEH APPS SOFTWARE					0
16	VEH SYST SOFTWARE					0
17	INTEG, ASSY, TES					0
18	OTHER					57,246
	TOTAL					1,315,797
	NUM OF SYSTEMS					58
	AVG PER SYSTEM					22,686

**M1A2 ABRAMS
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)**

**M1A2 ABRAMS
CONSUMABLES (NON-DLRs)**

NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 95 AMDF UNIT PRICE	FY 95 QTY	EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST	AVERAGE QUANTITY	QTY	EXTENDED COST
									PER SYSTEM	PER 100 SYSTEMS		
1.	6110013532472	CONTROL,REMOTE S	04A	F	J2200	37,269.00	8.00	298,152	5,140.55	13.7931		
2.	5998013749201	CIRCUIT CARD ASS	04A	Z	K24JW	15,424.00	2.00	30,848	531.86	3.4483		
3.	2530012953112	PARTS KIT,TRACK	02B	Z	K22JE	27.41	776.28	21,278	366.86	1,338.4138		
4.	5998013749203	CIRCUIT CARD ASS	05E	Z	R K22JW	9,038.00	2.00	18,076	311.66	3.4483		
5.	5998013566137	CIRCUIT CARD ASS	05E	Z	K22JE	5,616.97	3.00	16,851	290.53	5.1724		
6.	2540012553347	PARTS KIT,HULL S	01H	Z	K22JY	273.00	47.22	12,891	222.26	81.4138		
7.	5985012972971	ANTENNA	14	F	G24RU	272.00	45.71	12,433	214.36	78.8103		
8.	5998013749202	CIRCUIT CARD ASS	05E	Z	K24JW	9,235.00	1.00	9,235	159.22	1.7241		
9.	2940010904490	AIR CLEANER,INTA	03A	O	K21JE	125.00	67.84	8,480	146.21	116.9655		
10.	4320010734289	PUMP UNIT,ROTARY	18	Z	K22JE	932.00	8.18	7,624	131.45	14.1034		
11.	6650013205628	PERISCOPE,ARMORE	01A	O	M21JE	474.00	15.81	7,494	129.21	27.2586		
12.	5935013602630	CONNECTOR ASSEMB	14	F	G21RU	376.00	15.89	5,975	103.02	27.3966		
13.	5998010659010	CIRCUIT CARD ASS	04A	Z	Q2200	643.87	9.00	5,795	99.91	15.5172		
14.	1015013459216	CRADLE ASSEMBLY	07D	O	J2100	2,383.34	2.00	4,767	82.19	3.4483		
15.	6140012101964	BATTERY,STORAGE	18	F	K21PU	60.60	74.71	4,527	78.05	128.8103		
16.	2540010729931	SENSOR,FIRE	01H	Z	K22JE	526.00	8.57	4,508	77.72	14.7759		
17.	4240011613710	FILTER,GAS-PARTI	11	Z	M24ZT	885.00	3.05	2,699	46.53	5.2586		
18.	5330010799954	SEAL,PLAIN	01A	O	K21JE	633.00	4.17	2,640	45.52	7.1897		
19.	6150011190222	CABLE ASSEMBLY,S	04A	Z	J2200	889.85	2.95	2,625	45.26	5.0862		
20.	5340013662682	MOUNT,RESILIENT	01A	Z	T2200	518.19	5.00	2,591	44.67	8.6207		
21.	5998013543910	BACKPLANE ASSEMBLY	04A	Z	Q2200	2,356.81	1.00	2,357	40.64	1.7241		
22.	5330013203692	SEAL,NONMETALLIC	01A	Z	K22JE	173.00	13.09	2,265	39.05	22.5690		
23.	6135009857845	BATTERY, NONRECH	18	Z	E2200	5.52	410.15	2,264	39.03	707.1552		
24.	4910012391634	COMMUNICATOR ASS	18	F	K21J4	4,252.00	0.53	2,254	38.86	0.9138		
25.	2910013414647	PUMP,FUEL,ELECTR	03A	Z	K22JE	401.00	5.53	2,218	38.24	9.5345		
26.	5998013566143	CIRCUIT CARD ASS	04A	Z	Q2200	436.00	5.00	2,180	37.59	8.6207		
27.	6650013027684	PERISCOPE,TANK	01A	O	K21JE	498.00	3.97	1,977	34.09	6.8448		
28.	1005010328143	TRAY,FEED	07C	Z	M22HC	130.00	14.70	1,911	32.95	25.3448		
29.	2920011547835	WIRING HARNESS,B	03A	Z	K22JE	820.00	2.31	1,894	32.66	3.9828		
30.	2590012687208	PRE-CLEANER ASSE	01H	O	K21JE	1,528.00	1.23	1,879	32.40	2.1207		
31.	5895011888819	AMPLIFIER,ADAPTE	14	F	G24R9	2,661.00	0.68	1,809	31.19	1.1724		
32.	5330010730022	SEAL,PLAIN ENCAS	01A	Z	K22JE	199.00	8.92	1,775	30.60	15.3793		
33.	5995013626368	WIRING HARNESS,BRAN	14	F	Q2100	563.43	3.00	1,690	29.14	5.1724		
34.	1015011739350	HANDLE,BREECHBLO	07A	Z	M22JE	1,534.00	1.07	1,641	28.29	1.8448		
35.	5330011393583	RETAINER,PACKING	01A	Z	K22JE	134.00	12.22	1,637	28.22	21.0690		
36.	4320010730082	PUMP UNIT,CENTRI	18	Z	J2200	1,204.67	1.32	1,590	27.41	2.2759		
37.	5950010888603	TRANSFORMER,POWE	05E	Z	K22JE	483.00	3.28	1,584	27.31	5.6552		
38.	2540010729932	AMPLIFIER,CONTRO	01H	O	K21JE	1,314.00	1.17	1,537	26.50	2.0172		
39.	5855010343845	IMAGE INTENSIFIE	06E	Z	G22SZ	1,357.00	1.13	1,533	26.43	1.9483		
40.	7910012594408	KIT,VEE PAC CLEA	18	O	K21JE	304.00	5.03	1,529	26.36	8.6724		

NUMBER OF SYSTEMS 58
NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

517,013
158,270
=====

76.6% TOP 40
23.4% OTHERS

675,283

**M1A2 ABRAMS
TOP 40 COST DRIVERS
CLASS IX REPARABLES (DLRs)**

**M1A2 ABRAMS
REPARABLES (DLRs)**

NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 95AMDF UNIT PRICE		FY 95 QTY	EXTENDED COST W/CREDIT (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT)	AVERAGE QUANTITY	EXTENDED COST (W/CREDIT)
						W/O CREDIT	W/CREDIT			PER SYSTEM	PER 100 SYSTEMS	
1.	2835012691234	ENGINE MODULE FO	03A	D	R	K21JE	221,446.00	100,315.04	2.52	252,794	4,358.52	4.3448
2.	6110013634320	DISTRIBUTION BOX	04A	F	E	K21JW	62,088.00	28,125.86	3.00	84,378	1,454.79	5.1724
3.	2530012014816	WHEEL,SOLID RUBB	02A	D	R	K21JE	372.00	168.52	354.42	59,727	1,029.78	611.0690
4.	2835012168639	ENGINE,GAS TURBI	03A	D	R	K21JE	519,625.00	235,390.13	0.17	40,016	689.93	0.2931
5.	5999013311526	ELECTRONIC COMPO	04A	F	E	K21JW	19,282.00	8,734.75	3.00	26,204	451.79	5.1724
6.	1240012045765	POWER CONTROL UN	06E	F	R	M21MM	23,131.00	10,732.78	2.06	22,110	381.21	3.5517
7.	5998013755766	ELECTRONIC COMPO	04A	F	E	K24JW	32,853.00	14,882.41	1.00	14,882	256.59	1.7241
8.	2990010743488	OIL PUMP ASSEMBL	03A	D	R	K21JE	5,901.00	2,673.15	4.64	12,403	213.84	8.0000
9.	1240013565887	COLLIMATOR,INFIN	06E	F	R	M24JE	1,829.00	848.66	14.44	12,255	211.29	24.8966
10.	2910012937131	FUEL CONTROL,MAI	03A	D	R	K21JE	13,061.00	5,916.63	1.95	11,537	198.91	3.3621
11.	2920012618124	GENERATOR,ENGINE	03A	D	R	K21JE	7,288.00	3,301.46	3.23	10,664	183.86	5.5690
12.	2835011787246	REDUCTION GEARBO	03A	D	R	K21JE	40,257.00	18,236.42	0.48	8,753	150.91	0.8276
13.	1240012461873	ELECTRONIC UNIT,	06E	F	C	M21JE	11,920.00	5,530.88	1.45	8,020	138.28	2.5000
14.	4320010730076	PUMP,AXIAL PISTO	18	D	R	K21JE	5,396.00	2,444.39	2.55	6,233	107.47	4.3966
15.	4910012719248	CONTROLLABLE INT	18	D	R	K21J4	16,292.00	7,380.28	0.75	5,535	95.43	1.2931
16.	2835011978325	GEARBOX,ACCESSOR	03A	D	R	K21JE	24,396.00	11,051.39	0.43	4,752	81.93	0.7414
17.	2835011524758	NOZZLE,TURBINE,T	03A	D		K21JE	5,353.00	2,424.91	1.72	4,171	71.91	2.9655
18.	5999010661352	CIRCUIT CARD ASS	14	D	M	G21RC	2,096.13	1,020.82	4.00	4,083	70.40	6.8966
19.	6110012172331	SWITCHING REGULA	05E	D	E	M21MM	2,662.00	1,235.17	3.30	4,076	70.28	5.6897
20.	5999012758092	CIRCUIT CARD ASS	05E	D	E	M21MM	6,089.00	2,825.30	1.44	4,068	70.14	2.4828
21.	5998013532479	ELECTRONIC COMPO	04A	F	E	K21JE	37,101.00	16,806.75	0.21	3,529	60.84	0.3621
22.	2590011964716	ELECTRONIC CCONT	04A	F	R	K21JE	8,733.00	3,956.05	0.80	3,165	54.57	1.3793
23.	2920013058419	GENERATOR,ENGINE	03A	D		K21JE	7,288.00	3,301.46	0.64	2,113	36.43	1.1034
24.	2920012757477	GENERATOR,ENGINE	03A	D		K21JE	7,288.00	3,301.46	0.63	2,080	35.86	1.0862
25.	4820012331136	VALVE,REGULATING	01A	D	R	K21JY	4,219.00	1,911.21	1.07	2,045	35.26	1.8448
26.	1240013703674	PERISCOPE,ARMORE	06E	D	D	M21JE	5,313.00	2,465.23	0.78	1,923	33.16	1.3448
27.	6625012717842	METER,MULTIPLE S	18	D	R	K21J4	6,948.00	3,147.44	0.50	1,574	27.14	0.8621
28.	4320011428288	PUMP,AXIAL PISTO	18	D		K21JE	5,396.00	2,444.39	0.61	1,491	25.71	1.0517
29.	6130012422453	POWER SUPPLY ASS	18	D		M21MM	15,652.00	7,262.53	0.18	1,307	22.53	0.3103
30.	4320010894891	PUMP,AXIAL PISTO	18	D	R	K21JE	5,396.00	2,444.39	0.51	1,247	21.50	0.8793
31.	3040010743489	HOUSING,MECHANIC	03K	D		K21JE	6,803.00	3,081.76	0.40	1,233	21.26	0.6897
32.	4320012069549	PUMP,RADIAL PIST	18	D		K21JE	26,965.00	12,215.15	0.10	1,222	21.07	0.1724
33.	1240012172334	CONVERTER ASSY	06E	D	E	M21MM	3,956.00	1,835.58	0.62	1,138	19.62	1.0690
34.	6105011114893	MOTOR,DIRECT CUR	04A	D	C	M21MM	2,610.00	1,211.04	0.91	1,102	19.00	1.5690
35.	2540011695159	HEATER,VEHICULAR	01H	F	E	K21MC	2,818.00	1,276.55	0.81	1,034	17.83	1.3966
36.	2530011791416	ARM ASSEMBLY,PIV	03Q	D		K21JE	864.00	391.39	2.47	967	16.67	4.2586
37.	5999010659007	ELECTRONIC COMPO	14	D	M	G21RC	962.99	468.98	2.00	938	16.17	3.4483
38.	5915011716222	FILTER ASSEMBLY,	14	D	R	M21MM	1,289.00	598.10	1.29	772	13.31	2.2241
39.	2530011791417	ARM ASSEMBLY,PIV	03Q	D		K21JE	812.00	367.84	2.07	761	13.12	3.5690
40.	2835010740014	CYLINDER ASSY,CO	03A	D		K21JE	2,170.00	983.01	0.73	718	12.38	1.2586

NUMBER OF SYSTEMS 58
NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

627,020
13,494
=====

97.9% TOP 40
2.1% OTHERS

640,514

The following table displays FY 95 MACOM Class V (Ammunition) costs for MAIN and SECONDARY ROUNDS EXP. MAIN and SECONDARY ROUNDS EXP are the total quantities of ordnance used by the MACOM as recorded in the Training Ammunition Management Information System (TAMIS). EXTENDED COSTS are calculated by multiplying unit price by rounds expended. TOTAL ARMY (TA) figures are the summation of numbers across all MACOMs in the table. AVG PER SYSTEM costs are calculated by dividing the costs in EXTENDED COSTS by the number of systems for each MACOM.

M1A2 ABRAMS FY 95 MACOM CLASS V COSTS					
MACOM		MAIN ROUNDS EXP	SECONDARY ROUNDS EXP	EXTENDED COSTS	AVG PER SYSTEM
CODE	NAME				
FC	FORSCOM	15,549	165,962	9,422,510.17	294,453
E1	USAREUR	0	0	0.00	0
P8	EUSA	0	0	0.00	0
P1	USARPAC	0	0	0.00	0
SU	USARSO	0	0	0.00	0
AO	USASOC	0	0	0.00	0
TC	TRADOC	15,395	78,214	13,932,675.29	535,872
NG	ARNG	0	0	0.00	0
AR	USAR	0	0	0.00	0
TA	TOTAL ARMY	30,944	244,176	23,355,185.46	402,676

The following table displays FY 95 Total Army Class V (Ammunition) costs by DODIC. ROUNDS EXPENDED are the total quantities of ordnance recorded in the Training Ammunition Management Information System (TAMIS). EXTENDED COSTS are calculated by multiplying unit price by ROUNDS EXPENDED. AVG PER SYSTEM costs are calculated by dividing the costs in EXTENDED COSTS by the number of systems for TOTAL ARMY (TA).

M1A2 ABRAMS FY 95 TOTAL ARMY CLASS V COSTS					
DODIC	NOMENCLATURE	UNIT PRICE	ROUNDS EXPENDED	EXTENDED COSTS	AVG PER SYSTEM
A111	CTG 7.62MM BLANK	0.30	29,411	8,823.30	152
A131	CTG 7.62MM BALL	0.43	135,560	58,290.80	1,005
A146	CTG 7.62MM TRCR	0.35	1,539	538.65	9
A151	CTG 7.62MM BALL	0.34	13,324	4,530.16	78
A557	CTG CAL .50 BALL	1.80	54,798	98,636.40	1,701
A572	CTG CAL .50 TRCR	1.31	46	60.26	1
A598	CTG CAL .50 BLAN	0.81	9,488	7,685.28	133
C784	CTG 120MM TP-T M	1,355.00	9,845	13,339,975.00	230,000
C785	CTG 120MM TPDS-T	809.00	12,070	9,764,630.00	168,356
G815	GREN LAUNCHER SM	77.68	10	776.80	13
L602	SIMULATOR FLASH	7.89	9,029	71,238.81	1,228
TOTAL ARMY			275,120	23,355,185.46	402,676

The following table displays FY 91-95 Class V (Ammunition) costs by MACOM. EXTENDED COSTS are the total costs of expenditures recorded in the Training Ammunition Management Information System (TAMIS) and are calculated by multiplying unit price by rounds expended. TOTAL ARMY (TA) costs are a summation of the FY EXTENDED COSTS. The AVG PER SYSTEM costs are calculated by dividing the TOTAL ARMY costs by the number of systems for the TOTAL ARMY. Blank columns indicate the system was not tracked in the OSMIS database during that fiscal year.

M1A2 ABRAMS FIVE YEAR MACOM CLASS V COSTS						
MACOM		FY 91	FY 92	FY 93	FY 94	FY 95
CODE	NAME	EXTENDED COSTS	EXTENDED COSTS	EXTENDED COSTS	EXTENDED COSTS	EXTENDED COSTS
FC	FORSCOM					9,422,510.17
E1	USAREUR					0.00
P8	EUSA					0.00
P1	USARPAC					0.00
SU	USARSO					0.00
AO	USASOC					0.00
TC	TRADOC					13,932,675.29
NG	ARNG					0.00
AR	USAR					0.00
TA	TOTAL ARMY					23,355,185.46
AVG PER SYSTEM						402,676

The following table displays FY 91-95 Class V (Ammunition) costs by DODIC. EXTENDED COSTS are the total costs of expenditures recorded in the Training Ammunition Management Information System (TAMIS) and are calculated by multiplying unit price by rounds expended. TOTAL ARMY COST is a summation of the FY EXTENDED COSTS. AVG PER SYSTEM costs are calculated by dividing the TOTAL ARMY COST by the number of systems for the TOTAL ARMY.

M1A2 ABRAMS FIVE YEAR TOTAL ARMY CLASS V COSTS						
DODIC	NOMENCLATURE	FY 91 EXTENDED COSTS	FY92 EXTENDED COSTS	FY93 EXTENDED COSTS	FY 94 EXTENDED COSTS	FY 95 EXTENDED COSTS
A111	CTG 7.62MM BLANK					8,823.30
A131	CTG 7.62MM BALL					58,290.80
A146	CTG 7.62MM TRCR					538.65
A151	CTG 7.62MM BALL					4,530.16
A557	CTG CAL .50 BALL					98,636.40
A572	CTG CAL .50 TRCR					60.26
A598	CTG CAL .50 BLAN					7,685.28
C784	CTG 120MM TP-T M					13,339,975.00
C785	CTG 120MM TPDS-T					9,764,630.00
G815	GREN LAUNCHER SM					776.80
L602	SIMULATOR FLASH					71,238.81
TOTAL ARMY COST						23,355,185.46
AVG PER SYSTEM						402,676

The following table summarizes FY 95 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture.

M1A2 ABRAMS FY 95 DEPOT MAINTENANCE COSTS							
COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	110	34,628	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	239	202,672	0
OVERHEAD	0	0	0	0	158	69,948	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	2	658	0
TOTAL	0	0	0	0	509	307,906	0
QTY COMPLETED	0	0	0	0	0	466	0
AVG COST	0	0	0	0	0	661	0

The table below summarizes FY 95 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM DS/GS LABOR HOURS by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.98). CIVILIAN LABOR COSTS are a summation from the source data.

M1A2 ABRAMS FY 95 INTERMEDIATE MAINTENANCE COSTS					
MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	514	8,728	13	173	13.31
USAREUR	0	0			
EUSA	0	0			
USARPAC	0	0			
USARSO	0	0			
USASOC	0	0			
TRADOC	0	0	12,657	335,917	26.54
ARNG	0	0			
USAR	0	0			
TOTAL ARMY	514	8,728	12,670	336,090	26.53

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 91-95 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 95 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. Blank columns indicate the system was not tracked in the OSMIS database during that fiscal year.

M1A2 ABRAMS FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 91	FY 92	FY 93	FY 94	FY 95	FY 91	FY 92	FY 93	FY 94	FY 95
CIVILIAN LABOR					0					34,738
MILITARY LABOR					0					0
MATERIEL					0					202,911
OVERHEAD					0					70,106
CONTRACT					0					0
OTHER					0					660
TOTAL					0					308,415
QTY COMPLETED					0					466
AVG COST					0					662

The table below summarizes FY 91-95 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance (CIV) are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 95 constant dollars. Civilian labor costs are a summation from the source data. Blank columns indicate the system was not tracked in the OSMIS database during that fiscal year.

M1A2 ABRAMS FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 91	FY 92	FY 93	FY 94	FY 95	FY 91	FY 92	FY 93	FY 94	FY 95
FORSCOM					8,728					173
USAREUR					0					
EUSA					0					
USARPAC					0					
USARSO					0					
USASOC					0					
TRADOC					0					335,917
ARNG					0					
USAR					0					
TOTAL ARMY					8,728					336,090
LABOR HRS					514					12,670
COST PER HR					16.98					26.53

The following list shows the FY 95 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the Master File Maintenance (MFM). AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 95 TOTAL COST TO REBUILD/OVERHAUL by the FY 95 QTY COMPLETED.

M1A2 ABRAMS FY 95 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 95 TOTAL COST TO REBUILD/ OVERHAUL	FY 95 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
2835-01-269-1234	ENGINE MODULE FO	221,446	213,581	3	71,194
2530-01-201-4816	WHEEL,SOLID RUBB	372	78,955	457	173
2999-01-333-3154	OIL PUMP ASSEMBL	5,901	7,991	0	0
2990-01-074-3488	OIL PUMP ASSEMBL	5,901	4,460	5	892
6105-01-150-5855	MOTOR,DIRECT CUR	2,610	1,533	0	0
3040-01-266-4019	HOUSING,MECHANIC	2,908	1,345	1	1,345
5895-01-179-2681	AMPLIFIER SUBASS	575	22	0	0
5895-01-360-2623	AMPLIFIER SUBASS	575	19	0	0

The following list shows the FY 95 Secondary Item Maintenance - Repairs Cost Drivers recorded in Master File Maintenance (MFM). AVG COST TO REPAIR is calculated by dividing the costs in FY 95 TOTAL COST TO REPAIR by the FY 95 QTY COMPLETED.

M1A2 ABRAMS FY 95 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 95 TOTAL COST TO REPAIR	FY 95 QTY COMPLETED	AVG COST TO REPAIR
2540-01-169-5159	HEATER,VEHICULAR	2,818	509	0	0

The following list shows the FY 91-95 Secondary Item - Rebuild/Overhaul Cost Drivers recorded in MFM. These five year Cost Drivers were revised from the previous years' report. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 91-95 TOTAL COST TO REBUILD/OVERHAUL by the FY 91-95 QTY COMPLETED.

M1A2 ABRAMS FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 91-95 TOTAL COST TO REBUILD/ OVERHAUL	FY 91-95 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
2835-01-269-1234	ENGINE MODULE FORW/	221,446	213,581	3	71,194
2530-01-201-4816	WHEEL,SOLID RUBBER	372	78,955	457	173
2999-01-333-3154	OIL PUMP ASSEMBLY,E	5,901	7,991	0	0
2990-01-074-3488	OIL PUMP ASSEMBLY,E	5,901	4,460	5	892
6105-01-150-5855	MOTOR,DIRECT CURREN	2,610	1,533	0	0
3040-01-266-4019	HOUSING,MECHANICAL	2,908	1,345	1	1,345
5895-01-179-2681	AMPLIFIER SUBASSEMB	575	22	0	0
5895-01-360-2623	AMPLIFIER SUBASSEMB	575	19	0	0

The following list shows the FY 91-95 Secondary Item - Repair Cost Drivers recorded in MFM. These five year cost drivers were revised from the previous years' report. The AVG COST TO REPAIR is calculated by dividing the costs in FY 91-95 TOTAL COST TO REPAIR by the FY 91-95 QTY COMPLETED.

M1A2 ABRAMS FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 91-95 TOTAL COST TO REPAIR	FY 91-95 QTY COMPLETED	AVG COST TO REPAIR
2540-01-169-5159	HEATER,VEHICULAR,CO	2,818	509	0	0



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